2024/09/18
Distributed by FUJIFILM Wako Pure Chemical Corporation
Manufactured by FUJIFILM Wako Pure Chemical Corporation

Code No.13-1566

SPECIFICATION

Methanol

for the Japanese Pharmacopoeia General Tests (for LC)

	REQUIREMENT	SPECIFICATION
	Description (JP)	Clear, colorless liquid
	Absorbance (210nm) (JP)	not more than 0.70
	Absorbance (220nm) (JP)	not more than 0.30
	Absorbance (230nm) (JP)	not more than 0.15
	Absorbance (240nm) (JP)	not more than 0.07
	Absorbance (254nm) (JP)	not more than 0.02
*	Absorbance (210nm)	max.0.60
*	Absorbance (220nm)	max.0.30
*	Absorbance (230nm)	max.0.15
*	Absorbance (240nm)	max.0.06
*	Absorbance (254nm)	max.0.015
*	Absorbance (260～400nm)	max.0.01
*	Peroxides (as H2O2)	max.5ppm
*	Fluorescence test	to pass test
	Description (USP-NF)	Clear, colorless liquid
	Assay (USP-NF)	minimum 99.8%
	Substances darkened by sulfuric acid (USP-NF)	passes test
	Substances reducing permanganate (USP-NF)	passes test
	Solubility in water (USP-NF)	passes test
	Color (APHA) (USP-NF)	maximum 10
	Water (H2O) (USP-NF)	maximum 0.1%
	Residue after evaporation (USP-NF)	maximum 0.001%
	Carbonyl compounds (USP-NF)	maximum 0.001% each of acetone, formaldehyde, and acetaldehyde
	Titrable acid (USP-NF)	maximum 0.0003meq/g
	Titrable base (USP-NF)	maximum 0.0002meq/g
	Absorbance (280～400nm) (USP-NF)	maximum 0.01
	Absorbance (260nm) (USP-NF)	maximum 0.04
	Absorbance (240nm) (USP-NF)	maximum 0.10
	Absorbance (230nm) (USP-NF)	maximum 0.20

	Absorbance (220nm) (USP-NF)	maximum 0.40
	Absorbance (210nm) (USP-NF)	maximum 0.80
	Absorbance (205nm) (USP-NF)	maximum 1.00
	Gradient elution (USP-NF)	passes test
	Description (Ph.Eur.)	Clear, colourless liquid
	Sp. Gr.(20/20℃) (Ph.Eur.)	0.791～0.793
	Absorbance (210nm) (Ph.Eur.)	maximum 0.70
	Absorbance (220nm) (Ph.Eur.)	maximum 0.30
	Absorbance (230nm) (Ph.Eur.)	maximum 0.13
	Absorbance (250nm) (Ph.Eur.)	maximum 0.02
	Absorbance (260nm) (Ph.Eur.)	maximum 0.01
	Content (Ph.Eur.)	minimum 99.8%
	Absorbance (225nm) (Ph.Eur.)	maximum 0.17
*	Appearance	Colorless clear liquid
	Assay (CH3OH) (GC)	min.99.8%(mass/mass)
	Solubility in water	to pass test
	Density (20℃)	0.791～0.793g/ml
	Refractive index 20℃	1.327～1.330
**	Water	max.0.05%(mass/mass)
	Residue after evaporation	max.5ppm(mass/mass)
	Acidity (as HCOOH)	max.0.002%(mass/mass)
	Alkalinity (as NH3)	max.3ppm(mass/mass)
	Carbonyl compounds (as CO)	max.0.005%(mass/mass)
	Ethanol (GC)	max.0.05%(mass/mass)
	Substances darkened by sulfuric acid	to pass test
	Substances reducing permanganate (as O)	max.5ppm(mass/mass)

This product is suited for Methanol for liquid chromatography of general tests on The Japanese Pharmacopoeia.(*:Additional test performed by Wako)USP-NF Reagent Methanol, SpectrophotometricPh. Eur. Reagent Methanol, Methanol R1 and Methanol R2JIS K 8891:2006(**:The specification is originally set by Wako)